KOSSOV, V.V.; BARANOV, E.F.; VOLODIN, L.N.; LEYDKIND, Yu.R.;
MIKHALEVSKIY, B.N.; SUVOROV, B.P.; DETNEVA, E.V.

[The interbranch balance of production and production distribution of an economic region] Mezhotraslevoi balans proizvodstva i raspredeleniia produktsii ekonomicheskogo raiona. Moskva, Izd-vo "Nauaka," 1964. 209 p.
(MIRA 17:5)

1. Akademiya nauk SSSR. TSentral'nyy ekonomiko-matematicheskiy institut.

LEYE, YU. A.

Dissertation defended at the Institute of the Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry for the academic degree of Candidate of Geologo-Mineralogical Sciences:

"The Kafanskoye Ore Field (Nature, Structure, Mineralization, and Its Genesis)."

Vestnik Akad Nauk, No. 4, 1963 pp. 119-145

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Automating drying chambers at the "Stroitel'" Plant in Dnepropetrovsk. Stroi. mat. 11 no.4:15-16 Ap '65.
(MIRA 18:6)

LEYENSON, B.P.

25999 Leyenson, B.P. K Voprosu O Lec enii Nekotorykh Gnoynykh I Gnoynichkovykh Zabolevaniy Kozhi, Podkozhnoy Kletchatki Inagnoitel'nykh Protsessov Pal'tsev Kisti V Ambulatornykh Usloviyakh. Sbornik Nauch. Rabot. Lechet. Uchrezhdeniy Mosk. Voyen. Okr. Gor'kiy, 1948, S. 103-08

SO: Letopis' Zhurnal Statey, No. 30, Moscow 1948

YEVSEYENKO, L.S.; DISVETOVA, V.V.; KORMAN, D.B.; LEVITIN, Ye.I.; LEYENSON, B.P.; ORLOVA, R.S.; SHIYATAYA, O.K.

Results of the clinical use of 5-fluorouracil. Vop.onk. 11 no.11:69-75 '65.

(MIRA 19:1)

1. Iz khimioterapevticheskogo otdeleniya Moskovskoy gorodskoy klinicheskoy bol'nitsy No.1 imeni N.I.Pirogova (glavnyy vrach zasluzhennyy vrach RSFSR L.D.Chernyshev).

POPOV, G.V., kand.tekhn.nauk; LEYENSON, M.A., inzh.

Mechanization of torque tightening of threaded joints with a diameter from 24 to 42 cm. Vest. mash. 41 no.6:66-68 Je '61. (MIRA 14:6)

(Pneumatic tools)

LEYENSON, M. B.

"The Problem of Seawater Chlorination," Voyenno-Med. Zhur., No. 6, p. 56, 1955.

LEYKHSON, M.B., mayor meditsinskoy slushby; KISELEV, Yu.M , kapitan meditsinskoy slushby; FROKTISTOV, G.S., kapitan meditsinskoy s uzhby

Providing vitamin C for sailors on certain vessel . Voen.-med. zhur. no.7:77-78 Jl '59. (MIRA 12:11)
(ASCORBIC ACID)
(SAILORS (NAVY)--NUTRITION)

LEYENSON, R. YE.

Dormidontov, A. A., Leyenson, R. Ye., Suyetina, P. V. and Pevzner, B.A. "Treatment of rickets," Trudy VI Vsesoyuz. s"yezda det. vrachey, posvyashch. pamyati prof. Filatova, Moscow, 1948, p. 227-32

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Effect of therapeutic doses of sulfidine on function of the thyroid gland in normal children. Vopr. pediat. 20 no.1:28-30 Jan-Feb 1952. (CLML 22:1)

1. Of the Department of Faculty Pediatrics, Sverdlovsk Medical Institute (Director -- Docent V. S. Serebrennikov).

LEYENSON, R.Ye.

Diagnosis of rachitis. Pediatriia no.3:71-76 My-Je '55.(MLRA 8:10)

1. Iz Sverdlovskogo nauchno-issledovatelskogo instituta okhrany materinstva i mladenchestva (dir. R.A. Malysheva)
(RICKETS, diag)

LALYSHEVA, R.A.; LEYENSON, R.Ye.; CAFAROVA, G.K.; SEDOVA, N.V.

Importance of organized measures for reducing morbidity and mortality of newborn infants. Vop.okh.mat. i det. 1 no.3:83-90 My-Je '56. (MLRA 9:9)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta okhrany materinstva i mladenchestva Ministerstva zdravookhraneniya RSFSR
(INFANTS (NEWBORN)--DISEASES)

LEYN[illegible], R.Ye.

Effect of carbohydrate intake on the level of inorganic phosphorus in the blood in rickets; an abstract. Pediatriia 37 no.3:84 Mr '59. (MIRA 12:4)

1. Iz Sverdlovksogo nauchno-issledovatel'skogo instituta okhrany materinstva i mladenchestva.
(PHOSPHORUS METABOLISM) (RICKETS)

LEYENSON, R.Ye.

Pathogenetic therapy of so-called intracranial trauma of newborn infants. Vop.okh.mat. i det. 5 no.1:8-13 Ja-F '60. (MIRA 13:5)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta okhrany materinstva i mladenchestva (dir. - kand.med.nauk P.A. Malysheva, nauchnyy rukovoditel' - doktor med.nauk V.M. Lotis).
(INFANTS (NEWBORN)--DISEASES)

MIKAHYLIDI, L.L.; KIROVA, T.F.; LEYENSON, V.G.

Improving flotation machines. Biul.tekh.ekon.inform.Gos.nauch.-issl. inst.nauch.i tekh.inform. 17 no.10:5-7 O '64. (MIRA 18:4)

VILLAKO, K.; KHANGE, L. [Hange, L.]; KHANSON, Kh.[Hanson, H.]; LEYEPER, M. [Lõõper, M.]

Blood changes in diphyllebothriasis. Med. paraz. i paraz. bol. 27 no.4:494 Jl-Ag '58. (MIRA 12:2)

1. Iz kafedry biokhimii (zav. kafedroy - prof. E. Martinson) i iz kafedry propedevtiki vnutrennikh bolezney (zav. kafedroy - dots. E. Raudam) Tartuskogo gosudarstvennogo universiteta.
(TAPEWORM INFECTIONS, blood in,
diphyllobothriasis (Rus))

LEYER, J.

LEYER, J. Determination of the angle of cones in winding silk for the warp. p. 389.

No. 10, Oct. 1955.
MAGYAR TEXTILTECHNIKA.
TECHNOLOGY
Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

LEYESMENT, L. [Leesment, L.], kand. veter. nauk; PARVE, T.

Vibrionic hepatitis of chickens in the Estonian S.S.R.
Veterinariia 42 no.8:46-47 Ag '65. (MIRA 18:11)

1. Tallinskiy institut epidemiologii, mikrobiologii i gigiyeny (for Leyesment). 2. Zaveduyushchaya stantsiyey po bor'be s boleznyami zhivotnykh Estonskoy SSR (for Parve).

LEYETEROV, S.

Meeting with foreign scientists. Visnyk AN URSR 24:74-75 D '53.
(MLRA 7:3)

(Ukraine--Relations (General) with Finland)
(Finland--Relations (General) with Ukraine)

LEYEV, N.

High-quality buildings can be rapidly built on every collective farm. Sel'. stroi. 9 no.3:3-4 My-Je '54. (MIRA 13:2)

1.Nachal'nik proizvodstvenno-tekhnicheskogo otdela Ryazanskogo oblastnogo upravleniya po stroitel'stvu v kolkhozakh.
(Ryazan Province--Farm buildings)

LEYEV, N.

Work experience of a construction team. Sel'.stroi.10 no.1:5 Ja-F '55. (MIRA 8:4)

1. Nachal'nik proizvodstvenno-tekhnicheskogo otdela Ryazanskogo oblastnogo upravleniya po stroitel'stvu v kolkhozakh.
(Ryazan' Province--Farm building)

ARSHANSKIY, B.E.; LEYFER, L.A.

Semiconductor voltage converters for supplying current to strain-measuring equipment from low-voltage d.c. sources. [Izd.] (MIRA 12:12)
IONITOMASH 51:92-99 '59.
(Electric current converters) (Strain gauges)

LEYFER, L.SH., fel'dsher (Mukachevo Zakarpatskoy oblasti).

Dispensary treatment of industrial workers and of patients with chronic diseases. Fel'd. i akush. 24 no.1:45-46 Ja '59 (MIRA 12:1)

(MUKACHEVO--MEDICINE, INDUSTRIAL)

LEYFER, L.Sh. fel'dsher (Mukachevo)

How to fasten a bandage. Fel'd. i akush. 24 no.10:49 O '59. (MIRA 13:2)

(BANDAGES AND BANDAGING)

LEYFER L. YA.

LYEYFYER, L. YA.

28645

Ob Oslozhn Yenii Raka Zhyeludka Ostrym Ilm. Podostrym. Vospalityelbnym Protsyessom. Uchyen Zapiski (Kiyevsk). Ryentgyenoradiol. I. Onkol. IN-T) T.1, 1949, S. 228-36.

SO: LETOPIS NO. 38

Doc Med Sci

LEYFER, L. YA.

Dissertation: "Gangrene of a limb after operation due to the Injuries of Large Vessels and Preventive Measures."
23/5/50

Central Inst for Advancement of Physicians

SO Vecheryaya Moskva
Sum 71

LEYFER, L.Ya., doktor meditsinskikh nauk.

Esophagogastro-anastomosis in benign stenosis of the median third of the thoracic esophagus. Khirurgiia no.10:74 O '55. (MLRA 9:2)

1. Iz kafedry onkologii (zav.-I.Ya. Slonim) Kiyevskogo instituta usovershenstvovaniya vrachey (dir.-zasluzhennyy deyatel'nauki prof. I.I. Kal'chenko)

(ESOPHAGUS, stenosis
benign, in median thoracic section, surg. esphagogastro-anastomosis)
(STOMACH, surg.
esophagogastro-anastomosis in benign stenosis of median thoracic section of esophagu)

LEYFER, L.Ya., doktor meditsinskikh nauk

Significance of transfusing blood under pressure into the arteries of the extremity for the prevention of gangrene; clinical experimental studies. Khirurgiia 32 no.3:45-47 Mr '56. (MLRA 9:7)

1. Iz kafedry obshchey khirurgii Khabarovskogo meditsinskogo instituta (dir.-dotsent S.K.Nechepayev)

(BLOOD TRANSFUSION,
intra-arterial under pressure in prev. of gangrene (Rus))
(GANGRENE, prevention and control,
blood transfusion, intra-arterial under pressure (Rus))

LEYFER, L.Ya., doktor meditsinskikh nauk

A method for plastic restoration of the penis. Urologiia 22 no.3: 40-42 My-Je '57. (MIRA 10:8)

1. Iz kafedry obshchey khirurgii (zav. - L.Ya.Leyfer) Khabarovskogo meditsinskogo instituta

(PENIS, surg.
restoration after complete removal)

LEYFER, Yu., instruktor-letchik-planerist

Be tireless in improving piloting techniques. Kryl.rod. 12 no.4:21 Ap '61. (MIRA 14:7)

1. Moskovsiy gorodskoy aeroklub.
(Gliding and soaring)

RUZHENTSEVA, A.K.; CHIVIREVA, A.M.; LEYFEROVA, N.G.

Quantitative determination of compounds containing the ethylamine groups of dipine and phosphasine. Med. prom. 16 no.1:46-47 Ja '62. (MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni Ordzhonikidze.
(ETHYLAMINE)

LEYFEROV, Mikhail Yakovlevich; RAYKHMAN, D.A., redaktor; SMIRNOV, L.V., redaktor; MADEINSKAYA, A.A., tekhnicheskiy redaktor.

[High pressure overhead sinking pump] Vysokonapornyi podvesnoi prokhadcheskii nasos VP-2. Moskva, Ugletekhizdat, 1956. 16 p. (Centrifugal pumps) (MLRA 9:5)

LEYFMROV, Mikhail Yakovlevich; BAGDASAR'YAN, Georgiy Stepanovich; FUKSON, M.N., otvetstvennyy redaktor; SMIRNOV, L.V., redaktor izdatel'stva; NADMINSKAYA, A.A., tekhnicheskiy redaktor

[The "LIU-2" needle pump for lowering around water] Iglofil'trovaia vodoponizitel'naia ustanovka LIU-2. Moskva, Ugletekhizdat, 1956. 37 p. (MIRA 10:1)

(Pumping machinery)

LEYFEROV, M. YA.

OSIPOV, Konstantin' Sergeyevich; KHEYFETS, Yakov Saulovich; LEYFEROV, M.Ya., otvetstvennyy redaktor; SMIRNOV, L.V., redaktor izdatel'stva; NADEINSKAYA, A.A., tekhnicheskiy redaktor; IL'INSKAYA, G.M., tekhnicheskiy redaktor

[Screw pumps in the coal industry] Vintovye nasosy v ugol'noi promyshlennosti. Moskva, Ugletekhizdat, 1957. 56 p. (MLRA 10:9)
(Pumping machinery)

TARTERMAN, Yefim Yakovlevich; LEYTEROV, M.Ya., otvetstvennyy red.; GARBER, T.N., red. izd-va; BERLOV, A.P., tekhn. red.; ALADOVA, Ye.I., tekhn. red.

[Pumps in coal preparation plants] Nasosy na obogatitel'nykh fabrikakh. Izd.2., perer. i dop. Moskva, Ugletekhizdat, 1958. 191 p. (MIRA 11:7)
(Pumping machinery) (Coal preparation)

LEYFMAN, I.A.

LEYFMAN, I.A., inzh.; MASLOV, V.I., inzh.

Firing anthracite culm in combination with the blast-furnace gas in the combustion chamber of a TP-230-2 boiler. Teploenergetika 4 no.12: 13-16 D '57. (MIRA 10:11)

1. Tsentroenergochermet.
(Boilers)

LEYFMAN, I. A.

AUTHORS: Leyfman, I.A. and Maslov, V.I., Engineers 96-1-4/31

TITLE: Experience of Operating High-pressure Boiler Sets on a Mixture of Blast-furnace and Coke-oven Gas (Opyt raboty kotloagregatov vysokogo davleniya na smesi domennogo i koksovogo gaza)

PERIODICAL: Teploenergetika, 1958, Vol.5, No.1, pp. 19 - 21 (USSR)

ABSTRACT: The Heat and Electric Power Plant (TETs) in a steel works has two boiler sets, type TP-170, operating at a pressure of 110 atm. and a superheated steam temperature of 510 °C. The boilers are practically identical and were designed for separate and combined combustion of pulverised lean coal and blast furnace gas. They are fitted with six pulverised-fuel turbulent burners of the type Babcock-Taganrog Boiler Works (TKZ), and six slot-type short-flame burners for blast-furnace gas.
The pulverised-fuel burners are used to burn coke-oven gas containing hydrogen sulphide. The initial arrangement of the burners shown in Fig.2 was unsatisfactory and was altered, as shown in Fig.3 to increase the turbulence of the gas flow and reduce the secondary air channels. Unlike the previous designs, the blast furnace gas burners were made with mixing

Card1/2

GUSEVA, A.N.; ASHKINADZE, L.D.; LEYFMAN, I.Ye.

Infrared spectra of solid petroleum paraffins in the 700 cm^{-1} region. Vest.Mosk.un.Ser. 2: Khim. 15 no.3:75-77 My-Je '60. (MIRA 13:8)

1. Kafedra geologii i geokhimii goryuchikh iskopayemykh Moskovskogo universiteta.
(Paraffins--Spectra)

S/065/61/000/002/006/008
E030/E235

AUTHORS: Guseva, A. N., Ashkinadze, L. D. and Leyfman, I. Ye.

TITLE: Characteristics of the Infra-Red Absorption Spectra of Solid Petroleum Paraffins

PERIODICAL: Khimiya i tekhnologiya topliv i masel, 1961, No. 2, pp. 59-62

TEXT: The infra-red absorption spectra of very narrow fractions of solid petroleum products exhibiting carbamide complexes have been studied in the region 700-750 cm^{-1}. Previous published data referred only to individual hydrocarbons, and it was claimed that n-paraffins could be distinguished from the others (iso- and cycloparaffins) by a strong shoulder at 732 cm^{-1}. This has now not only been disproved, but there is also no clear correlation at all between absorption spectrum and physico-chemical structure, although a dependence of spectral shape on melting temperature has been found. Petroleum crudes and fractions of the following origins were studied: Ozek-Suat, El'sk, Chalodidi, Selli, Shirvanskaya. They were fractionated from a benzol solution of the complex formed by them and methanol saturated with carbamide, and the complex was broken by heating with

Card 1/3

S/065/61/000/002/006/008
E030/E235

Characteristics of the Infra-Red Absorption Spectra of Solid Petroleum Paraffins

distilled water to 90°C. They were then split into about 50 fractions according to melting point between 19.5 and 68.2°C, and each is characterized by a sum factor, $\Phi_c = 2(10^3 n_D^{90} - 1400) - 0.84 t_{MP}$, which measures the deviation from the n-paraffin structure, where t_{MP} is the melting temperature. The spectra obtained are reproduced in the article. The spectra were obtained from thin films mounted on a sodium-chloride crystal spectrometer ИКС-12 (IKS-12) at room temperature, with specimen and slit size adjusted for maximum resolution. It is seen that the 720 line is alone in the low melting specimens, but the 732 line increases in size with melting point until a 732/720 doublet is formed. The 720 line is usually ascribed to (CH_2) chain deformation, and the 732 to the crystal structure. The gradual change of spectral type with melting point is suggestive of the phase change which occurs around C_{22}, (which corresponds to a melting temperature of 44.0°C, and is hence in the region studied here), but any stronger suggested correlation would be sheerly speculative at present. There are

Card 2/3

GUSEVA, A.N.; LEYFMAN, I.Ye.

Investigating solid oil paraffins by the refractometric method.
Khim. i tekh. topl. i masel 9 no.4:13-15 Ap '64.
(MIRA 17:8)

10590-63 EPF(c)/EWT(m)/BDS AFFTC/ESD-3/APGC Pr-4 RM/RM/DJ

ACCESSION NR: AP3001472 S/0152/63/000/004/0049/0053

AUTHOR: Guseva, A. N.; Leyfman, I. Ye; Ashkinadze, L. D.

TITLE: Investigation of solid petroleum paraffins by refraction and IR-absorption spectra

SOURCE: IVUZ. Neft' i gaz, no. 4, 1963, 49-53

TOPIC TAGS: hydrocarbon fraction, carbamid complexes, IR-absorption, solid petroleum paraffin

ABSTRACT: It was found in the investigation of petroleum paraffins that the changes in the structure of those paraffins which form carbamide complexes and which are dependent upon temperature are reflected in the intensity and form of infrared absorption in the region of 720 cm sub -1. These changes are fixed on the refraction curves at the same temperature levels. The limits of existence of various phases and phase transitions are determined according to the temperature dependence, the form of the infrared absorption in the region of 720 cm sub -1, and the changes of the crystal structure of petroleum paraffins. These interpretations of various infrared spectra of petroleum paraffin fractions were taken at room temperature. The methods used in this study can be applied to the

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L 10590-63

ACCESSION NR: AP3001472

identification of hydrocarbon fractions of solid petroleum paraffins. The hexagonal structure is noted at temperatures higher than the transition interval, and the rhombic structure is noted at temperatures below the transition interval. The mixed structure is found during the transition interval. Orig. art. has: 1 table and 2 figures.

ASSOCIATION: Moskovskiy gosudarstvenny*y universitet im. M. V. Lomonosova (Moscow state university)

SUBMITTED: 01Oct62 DATE ACQD: 10Jun63 ENCL: 00

SUB CODE: 00 NO REF SOV: 004 OTHER: 007

Card 2/2

GUSEVA, A.N.; LEYFMAN, I.Ye.

Bitumen occurrences in middle Caboniferous rocks of northern Rostov Province. Izv. vys. ucheb. zav.; neft' i gaz 4 no.8:3-8 '61. (MIRA 14:12)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Rostov Province--Bitumen--Geology)

GUSEVA, A.N.; ASHKINADZE, L.D.; LEYFMAN, I.Ye.

Infrared spectra of solid petroleum paraffins. Neftekhimiia 2 no.5:662-665 S-O '62. (MIRA 16:1)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Paraffin wax—Spectra)

GUSEVA, A. N.; ASHKINADZE, L. D.; LEYFMAN, I. Ye.

Characteristics of paraffine wax based on infrared absorption spectra in the 700 cm.$^{-1}$ region. Izv. AN SSSR. Ser. fiz. 27 no.1:104-107 Ja '63. (MIRA 16:1)

1. Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova.

(Paraffine—Spectra)

GUSEVA, A.N.; LEYFMAN, I.Ye.; ASHKINADZE, L.D.

Study of solid petroleum paraffins by refractometry and infrared absorption spectra. Izv. vys. ucheb. zav.; neft' i gaz 6 no.4: 49-53 '63. (MIRA 16:7)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Spectrum, Infrared) (Refractometry)
(Paraffins)

LEYFMAN, L.Ya.

SUBJECT USSR/MATHEMATICS/Theory of functions CARD 1/2 PG - 551
AUTHOR LEJFMAN L.Ja.
TITLE On the question of the limit process under the sign of the Lebesgue integral.
PERIODICAL Ukrain.mat.Žurn. 7, 134-141 (1955)
reviewed 1/1957

Let $T(x)$ be a biunique measure preserving mapping of a space X into a space Y, where X and Y are Lebesgue spaces in the sense of Rochlin (Mat.Sbornik,n.Ser. 25, 107-150 (1949)). Let $f(x)$ be defined on X and $g(y)$ be defined on Y. The author writes $g(y) \equiv f(x) \pmod 0$ if $g(Tx) = f(x)$ except of zero sets. Let $f_n(x)$ be a sequence of summable functions being defined on X and converging to 0 with respect to the measure. The measure is denoted with P. For every P-measurable set E holds $\int_E f_n(x)dP \longrightarrow 0$ if (1) $g_n(x) \equiv f_n(x) \pmod 0$ for every n and (2) the $g_n(x)$ possess a summable majorant. Examples can easily be constructed which show that these conditions reach beyond the Lebesgue theorem. Joining the above result, G.F.Šilov has put the question for necessary and sufficient conditions for the validity of (1) and (2). One can restrict oneself to the case that P is either continuous of discrete (Rochlin, loc.cit.). For $\sigma > 0$ let

Ukrain.mat.Žurn. 7, 134-141 (1955) CARD 2/2 PG - 551

$E_n^{k\sigma} = \{x : k\sigma \leq f_n(x) < (k+1)\sigma\}$, $k = 0,1,2,\ldots$, $\alpha_\sigma^k = \inf_n P(\bigcup_{i=0}^{k} E_n^{i\sigma})$.

Then in the continuous case the convergence of $\sum_{k=1}^{\infty} k\,(\alpha_\sigma^k - \alpha_\sigma^{k-1})$ is a desired condition for $\sigma > 0$. Incited by Šilov the author shows that the conditions (1) and (2) are not necessary for the admissibility of the changeability of limit and integral. In essential, however, this was already well-known.

16 (1) SOV/21-59-8-3/26

AUTHOR: Leyfman, L. Ya.

TITLE: On Convergence of Integrals Depending on a Parameter in an Abstract Space

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, Nr 8, pp 824 - 827 (USSR)

ABSTRACT: In this article the author considers an abstract space R with a Borel field $\mathfrak{B}$ of sets on which an arbitrary measure μ is defined that may be not enumerably finite. The concepts of absolute continuity and equigradual absolute continuity are generalized to apply to this case. The chief result is the following (theorem 1 and its result): Let a function $\varphi(G,\alpha)$ be defined for all $G \in \mathfrak{B}, E \in \mathfrak{B}$, and for all $G \in A$, where A is a set of some T_1-space with the first axiom of enumerability, and let it be absolutely continuous for any fixed $\alpha \in A$. If a_0 is a limit point of the set A and for any subset $G \in \mathfrak{B}$ E, $\lim \varphi(G,\alpha) = \Phi(G)$, where $\varphi(G,)$ is absolutely continuous, then there exists such a neighborhood $U(a_0)$ of point a_0 that $\varphi(G,\alpha)$ is equigradually absolutely continuous

Card 1/2

SOV/21-59-8-3/26

On Convergence of Integrals Depending on a Parameter in an Abstract Space

on a set $A \cap U(a_0)$. This result is applied to the Lebesque integral in an abstract space (theorem 2).
There is 1 Soviet reference.

ASSOCIATION: Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti (Kiyev Technological Institute of Food Industry)

PRESENTED: By B. V. Gnedenko, Member, AS UkrSSR

SUBMITTED: January 28, 1959

Card 2/2

SOV/140 58-2-16/20

AUTHOR: Leyfman, L.Ya. (Kiyev)

TITLE: On the Limiting Process Under the Integral Sign of the Integral of Kolmogorov (O predel'nom perekhode pod znakom integrala Kolmogorova)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy Ministerstva vysshego obrazovaniya SSSR, Matematika, 1958, Nr 2, pp 182-196 (USSR)

ABSTRACT: The author considers - like in his earlier paper [Ref 2] - the integral of Kolmogorov [Ref 1]. By weakening the conditions of Kolmogorov, the author succeeds in carrying out the limiting process under the integral sign of the integral of Kolmogorov in a form which, for the transition to the special cases, yields the well-known theorems of the limiting processes under the integral sign. Some further general properties of the integral of Kolmogorov are considered. There are eight theorems and several lemmas and conclusions.
There are 4 references, 3 of which are Soviet, and 1 American.

SUBMITTED: October 16, 1957

Card 1/1

LEYFMAN, L. Ya. (Kiyev)

Limit transition under the integral sign from the general point of view of the Kolmogorov integral theory. Izv.vys.ucheb.zav.; mat. no.1:139-153 '60. (MIRA 13:6)
(Integrals)

16:2600,16.2800

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SOV/42-15-1-24/27

AUTHOR: Leyfman, L. Ya.

TITLE: Remarks on the Paper "On the Conditions of Existence of Kolmogorov's Integral and the Concept of Differential Equivalence". Letter to the Editor

PERIODICAL: Uspekhi matematicheskikh nauk, 1960, Vol 15, Nr 1, pp 259-261 (USSR)

ABSTRACT: The following theorem was proven in the paper by L. Ya. Leyfman, On the Conditions of Existence of Kolmogorov's Integral and the Concept of Differential Equivalence, U.M.N. (Usp. mat. nauk) Nr 3 (75) 1957: If the function $\varphi(\mathcal{E})$ is nonnegative and completely additive on $\mathcal{ME}_0$, $\varphi(\mathcal{E}_0) < +\infty$ and f(x) is bounded on $\mathcal{E}_0$, then in order that the integral:

$$\int_{\mathcal{E}_0} f(x)\,\varphi(d\mathcal{E}_0)$$

Card 1/3

exist, it is necessary and sufficient that:

$$\int_{\mathfrak{E}_0} (\omega/\varphi)\,(d\mathfrak{E}_0) = 0. \qquad (1$$

The above theorem is generalized as follows: Theorem: If the function $\varphi(\mathfrak{E})$ is nonnegative and completely additive on $\mathfrak{N}\mathfrak{E}_0$, where it can also assume an infinite value, and $f(x)$ is defined on $\mathfrak{E}_0$, then in order that the integral:

$$\int_{\mathfrak{E}_0} f(x)\,\varphi\,(d\mathfrak{E}_0)$$

exist, it is necessary and sufficient that Eq. (1) hold, and that there exist at least one partition $\mathfrak{N}_0 \mathfrak{E}_0$

Card 2/3 for which

Remarks on the Paper "On the Conditions of Existence of Kolmogorov's Integral and the Concept of Differential Equivalence". Letter to the Editor

77817
SOV/42-15-1-24/27

$$(H(|\overline{f_x}|\varphi))(\theta_0\mathfrak{E}_0) < +\infty. \quad (2)$$

A proof of this theorem is given. There are 2 Soviet references.

Card 3/3

IEYFMAN, L., starshiy nauchnyy sotrudnik

Mathematics in commerce. Sov. torg. 34 no.8:26-28 Ag '61.
(MIRA 14:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut torgovli i obshchestvennogo pitaniya...
(Marketing research) (Economics, Mathematical)

S/048/63/027/001/036/043
B125/B102

AUTHORS: Guseva, A. N., Ashkinadze, L. D., and Leyfman, I. Ye.

TITLE: Characterization of solid petroleum paraffins on the basis of the infrared absorption spectra in the region 700 cm^{-1}

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 27, no. 1, 1963, 104 - 107

TEXT: A study is made of the spectra of more than 80 fractions of petroleum paraffins (part of them forming carbamide complexes) in order to characterize the solid petroleum paraffins having different chemical structures on the basis of their absorption characteristics between 700 and 750 cm^{-1}. The fractions of the complex-forming hydrocarbons were produced by fractionating paraffins with carbamide and from 50°-distillate fractions of mineral oils. The residua of the solid hydrocarbons not reacting with carbamide, were fractionated by chromatography on charcoal. The deviations of the properties of the fractions from those of the n-paraffins are characterized by the sum factor $\Phi_c = 2\cdot(10^3 n_D^{90} - 1400) - 0.84 t_{sol}$ where n_D^{90}

Card 1/2

ZUKHOVITSKIY, S.I., doktor fiz.-matem. nauk, prof.; LEYFMAN, L.Ya., kand. fiz.-matem. nauk; MESHEL', B.S., inzh.

Optimum distribution of condensers in the power supply networks of industrial enterprises. Elektrichestvo no.7:35-38 Jl '64. (MIRA 17:11)

ACCESSION NR: AT5012[illegible]

AUTHOR: Leyfman, L. Ya.; Petrova, L. I.

TITLE: Some algorithms for the analysis of oriented graphs

SOURCE: AN SSSR. Sibirskoye otdeleniye. Institut matematiki. Vychislitel'nyye sistemy, no. 11, 1964, 101-113

TOPIC TAGS: oriented graph, computer algorithm, network graph

ABSTRACT: The authors [illegible] in processing graphs of large dimensions by means of a computer with an insufficient memory capacity, and [illegible]

L 12560-65

ACCESSION NR: AT5012388

Each algorithm is described in detail. Orig. art. has: 4 figures, 3 formulas, and 5 tables.

ASSOCIATION: Institut matematiki SO AN SSSR (Institute of Mathematics SO AN SSSR)

SUBMITTED: [illegible] ENCL: [illegible]

SUB CODE: [illegible] NR REF SOV: 002 OTHER: [illegible]

Card 2/2

ACC NR: AT7000904 SOURCE CODE: UR/0000/66/000/000/0084/0094

AUTHORS: Zukhovitskiy, S. I.; Leyfman, L. Ya.

ORG: none

TITLE: On one algorithm for convex quadratic programming

SOURCE: AN SSSR. Sibirskoye otdeleniye. Institut matematiki. Matematicheskiye modeli i metody optimal'nogo planirovaniya (Mathematical models and methods of optimal planning). Novosibirsk, Izd-vo Nauka, 1966, 84-94

TOPIC TAGS: algorithm, nonlinear programming, complex function, differentiation, matrix element, linear equation, partial derivative

ABSTRACT: It is required to maximize the quadratic function

$$f(x) \equiv \sum_{j,k=1}^{n} b_{jk}\xi_j\xi_k + \sum_{j=1}^{n} b_j\xi_j + c,$$

which has the negatively defined form

$$\sum_{j,k=1}^{n} b_{jk}\xi_j\xi_k \ (b_{jk}=b_{kj};\ j,k=1,\ \ldots,\ n),$$

in the presence of the linear restraints

$$\delta_l(x) \equiv \sum_{j=1}^{n} a_{lj}\xi_j + a_l = (A^l,\ x) + a_l \geqslant 0 \ (l=1,\ \ldots,\ m),$$

Card 1/3

$(x = x(\xi_1, \ldots, \xi_n),\ A^l = A^l(a_{l1}, \ldots, a_{ln}))$

defining a nonempty polyhedron Ω. A unique point α^0, at which f(x) reaches a maximum, is found (see Table 1).

Table 1

	$\xi_1 \ldots$	$\xi_j \ldots$	ξ_n	1
$\delta_1 =$	$a_{11} \ldots$	$a_{1j} \ldots$	a_{1n}	a_1
$\ldots$	$\ldots$	$\ldots$	$\ldots$	$\ldots$
$\delta_l =$	$a_{l1} \ldots$	$a_{lj} \ldots$	a_{ln}	a_l
$\ldots$	$\ldots$	$\ldots$	$\ldots$	$\ldots$
$\delta_m =$	$a_{m1} \ldots$	$a_{mj} \ldots$	a_{mn}	a_m
$l'_{\xi_1} =$	$2b_{11} \ldots$	$2b_{1j} \ldots$	$2b_{1n}$	b_1
$\ldots$	$\ldots$	$\ldots$	$\ldots$	$\ldots$
$l'_{\xi_k} =$	$2b_{k1} \ldots$	$2b_{kj} \ldots$	$2b_{kn}$	b_k
$\ldots$	$\ldots$	$\ldots$	$\ldots$	$\ldots$
$l'_{\xi_n} =$	$2b_{n1} \ldots$	$2b_{nj} \ldots$	$2b_{nn}$	b_n

Then a unique point α^1, at which the function f reaches a relative maximum providing $\delta_1 = \ldots = \delta_q = 0$, is found (see Table 2). If $\alpha_1 \in \Omega$, then the point is considered stationary, and r derivatives are calculated from Table 2:

$$l''_{\delta_i}(x^q) = 2b_{ir}^{(r)}\xi_{r+1}^{(q)} + \ldots + 2b_{in}^{(r)}\xi_n^{(q)} + b_i^{(r)} \quad (i = 1, \ldots, r).$$

If they are all positive, then $x^q = x^*$. The algorithm terminates in a finite number of steps. Examples are provided.

ACC NR: AT7000904

Table 2

	δ_1	...	δ_r	ξ_{r+1}	...	ξ_n	1
$\delta_{r+1} =$	$a^{(r)}_{r+1,1}$	...	$a^{(r)}_{r+1,r}$	0	...	0	0
...	...						
$\delta_q =$	$a^{(r)}_{q1}$	...	$a^{(r)}_{qr}$	0	...	0	0
$\delta_{q+1} =$	$a^{(r)}_{q+1,1}$	...	$a^{(r)}_{q+1,r}$	$a^{(r)}_{q+1,r+1}$	...	$a^{(r)}_{q+1,n}$	$a^{(r)}_{q+1}$
...	...						
$\delta_m =$	$a^{(r)}_{m1}$	...	$a^{(r)}_{mr}$	$a^{(r)}_{m,r+1}$	...	$a^{(r)}_{mn}$	$a^{(r)}_{m}$
...	...						
$l'_{\delta_1} =$	$2b^{(r)}_{11}$	...	$2b^{(r)}_{1r}$	$2b^{(r)}_{1,r+1}$	...	$2b^{(r)}_{1n}$	$b^{(r)}_{1}$
...	...						
$l'_{\delta_r} =$	$2b^{(r)}_{r1}$	...	$2b^{(r)}_{rr}$	$2b^{(r)}_{r,r+1}$	...	$2b^{(r)}_{rn}$	$b^{(r)}_{r}$
$l'_{\delta_{r+1}} =$	$2b^{(r)}_{r+1,1}$	...	$2b^{(r)}_{r+1,r}$	$2b^{(r)}_{r+1,r+1}$	...	$2b^{(r)}_{r+1,n}$	$b^{(r)}_{r+1}$
...	...						
$l'_{\xi_n} =$	$2b^{(r)}_{n1}$	...	$2b^{(r)}_{nr}$	$2b^{(r)}_{n,r+1}$	...	$2b^{(r)}_{nn}$	$b^{(r)}_{n}$

Orig. art. has: 5 formulas and 9 tables.

SUB CODE: 12/ SUBM DATE: 12Apr66/ ORIG REF: 009

Card 3/3

LEYFMAN, M.I., inzh.; MASLOV, V.I., inzh.

Increase in the life of boiler furnace lining. Prom. energ. 17 no.6:10-13 Je '62. (MIRA 17:6)

LEYFMAN, M.I., inzh.

Modernization of A-7 Shukhov-Berlin boilers. Prom. energ. 17 no.8:20-22 Ag '62. (MIRA 16:4)
(Boilers)

LEYFMAN, M.I.

Pipe damages of boilers converted to mazut firing. Prom.energ. 17 no.2:18-19 F '62. (MIRA 15:3)
(Boilers--Firing) (Pipes, Deposits in)

LEYFMAN, M.I., inzh.

Joint burning of blast-furnace gas, natural gas, and coke gas.
Prom.energ. 18 no.1:21-24 Ja '63. (MIRA 16:4)
(Gas, Natural) (Metallurgical plants) (Fuel)

MASLOV, Viktor Ivanovich; LEYFMAN, M.I

[Operation of boiler units in ferrous metallurgy enterprises] Ekspluatatsiia kotel'nykh agregatov na predpriiatiiakh chernoi metallurgii. Moskva, Metallurgiia, 1965. 295 p. (MIRA 19:1)

LEYFMAN, Ye.M.

Role of Mongolo-Okhotsk deep faults and the geological development of eastern Transbaikalia as revealed by a study in Sretensk and Mogochin Districts. Geol. i geofiz. no.6:119-123 '64. (MIRA 18:11)

1. L'vovskiy universitet.

LEYFMAN, Ye.M.

Structural control of endogenetic mineralization in the Mogochin ore region (eastern Transbaikalia). Geol.i georiz. no.6:124-128 '65. (MIRA 18:8)

1. L'vovskiy universitet imeni Franko.

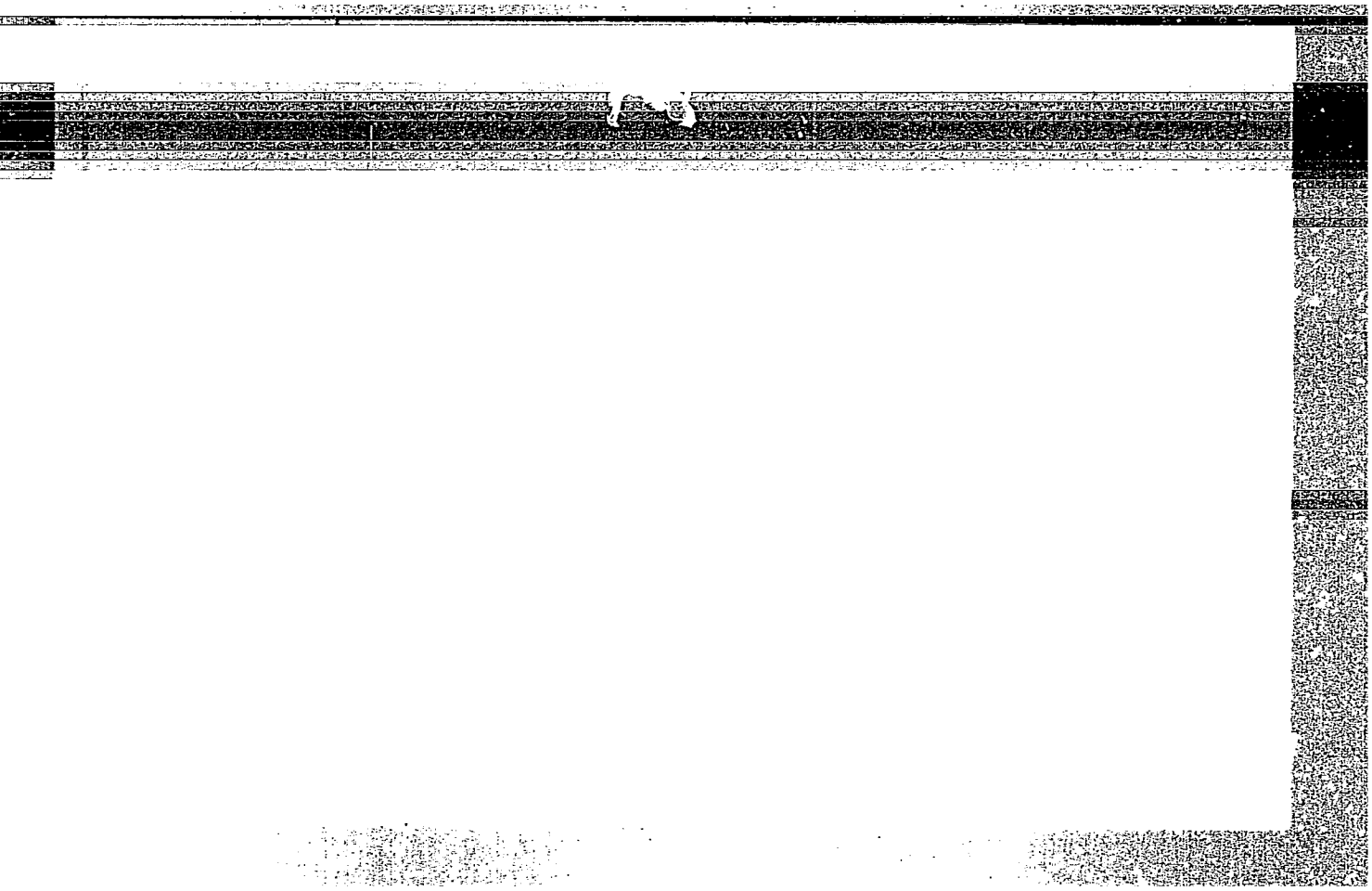
LEYGA, V.

Adapting new machines. Mashines. Mashinostroitel' no.6:44 Je '65.
(MIRA 18:7)

LEYKAKH, V.S.

ZEYNALOV, B.K.; LEYKAKH, V.S.

Kinetics and chemical affinity of liquid-phase oxidation of n-hexadecane $C_{16}H_{34}$. Izv. AN Azerb. SSR no.10:3-21 O '54.
(Hexadecane) (MIRA 8:11)



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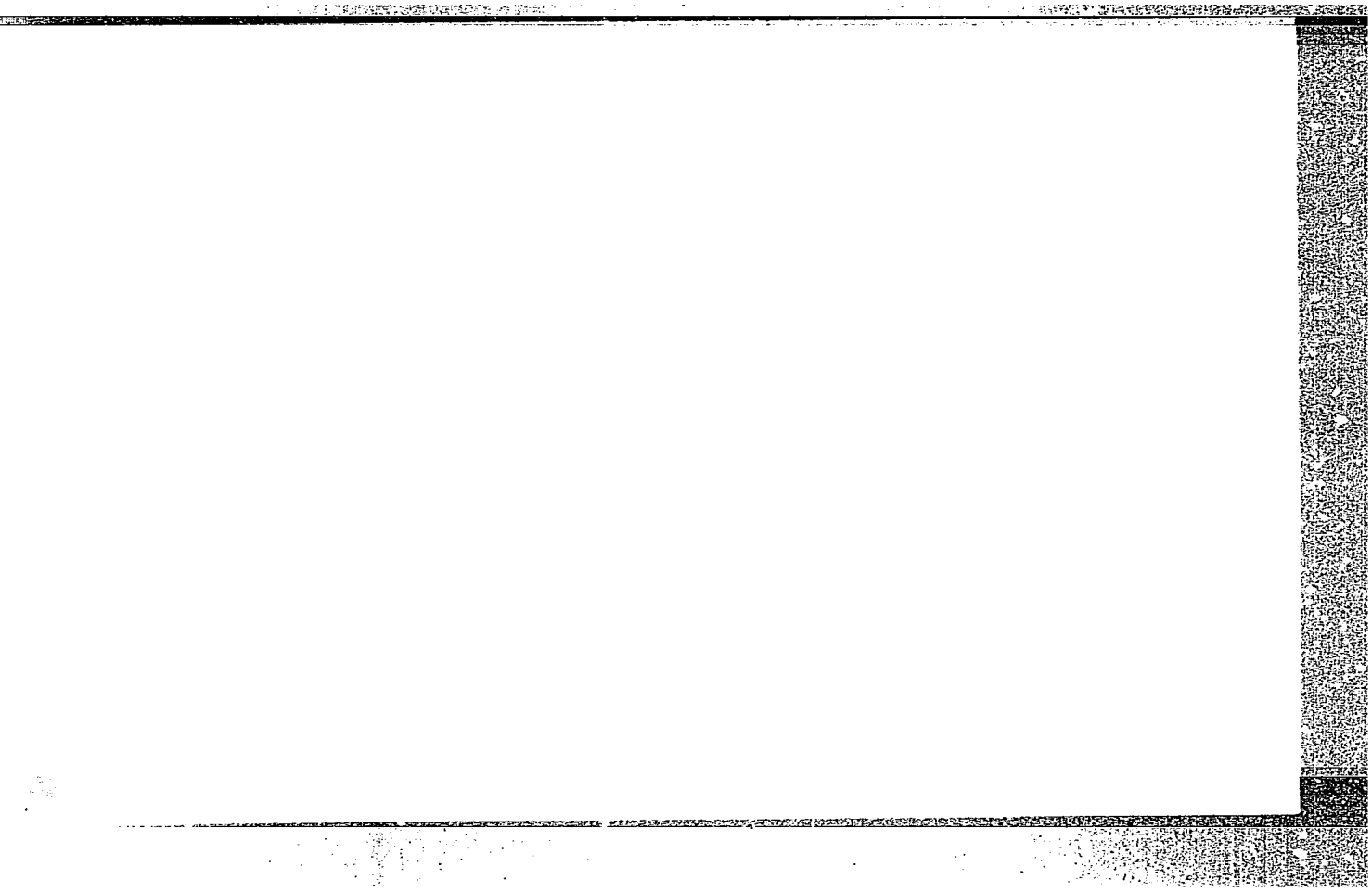

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929720(

Leykakh V. S.

PHASE I BOOK EXPLOITATION SOV/3663

Akademiya nauk SSSR. Institut khimicheskoy fiziki

Okisleniye uglevodorodov v zhidkoy faze; sbornik statey (Oxidation of Hydrocarbons in the Liquid Phase; Collection of Articles) Moscow, Izd-vo AN SSSR, 1959. 334 p. Errata slip inserted. 2,200 copies printed.

Ed.: N. M. Emanuel', Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: K. M. Dyumayev; Tech. Ed.: L. F. Kuz'min.

PURPOSE: This collection of articles is intended for chemists interested in hydrocarbon oxidation reactions, particularly for those specializing in petroleum fuels.

COVERAGE: This collection of 33 articles represents the results of investigations over a period of several years on problems of hydrocarbon oxidation. The authors present their own theoretical and experimental data and also draw from current literature. No personalities are mentioned. References accompany most of the articles.

Bashkirov, A.N., V.V. Kamzolkin, K.M. Sokova, and T.P. Andreyeva. [Institut neftiAN SSSR (Petroleum Institute, Academy of Sciences USSR)]. Mechanism of Liquid-Phase Oxidation of Paraffin Hydrocarbons 159
Oxidation of n-tridecane, n-pentadecane and n-hexadecane in the presence of boric acid is investigated. For the most part, secondary alcohols are formed. The purpose of the study was to establish a scientific basis for a method of preparing aliphatic alcohols by the direct oxidation of paraffin hydrocarbons developed by the Petroleum Institute.

Zeynalov, B.K., and V.S. Leykakh [Institut khimii AN Azerb.SSR (Institute for Chemistry AS Azerb.SSR)]. The Kinetics and Chemistry of n-Hexadecane Oxidation 166
Liquid-phase oxidation of n-hexadecane as a model reaction for normal paraffin hydrocarbons is studied. An optimum amount of carboxyl acids (caprylic, pelargonic, capric, undecylic, lauric, tridecylic and tetradecanoic) is obtained after passing 720-960 liters of air per hour through the reactive mixture for 10 hours at 130°.

Sergeyev, P.G. (Deceased), and L.A. Ivanov [Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktov (Scientific Research Institute of Synthetic Alcohols and Organic Products)]. The Oxidation of Hexenes 182
From their experiments on the oxidation of olefins (hexenes), the authors conclude that the olefin oxidation process can be used to obtain alcohols.

Emanuel, A.I., and Ye.S. Panfilova [Moskovskiy khimiko-tekhnicheskiy institut imeni D.I. Mendeleyeva (Moscow Chemical Engineering Institute imeni D.I. Mendeleyev)]. Mechanism of the Autoxidation of Cyclohexane 188
The authors examine the mechanism of the autoxidation of cyclohexane and discuss the various paths of cyclohexane formation. Liquid-phase oxidation of cyclohexane and analysis in both scattered and ultraviolet light confirm the presence of a hydroperoxide which decomposes to form first a ketone, then an alcohol. Cyclohexane polymerization products were isolated and identified as dimers and trimers of cyclohexane hydroperoxides and their ketoderivatives.

Fedorov, V.V. [Scientific Research Institute of Synthetic Alcohols and Organic Products]. Liquid-Phase Oxidation of Certain Aliphatic-Aromatic Hydrocarbons 197
The author describes the separation and identification of hydroperoxides obtained in the oxidation of aliphatic-aromatic hydrocarbons, confirms the reactivity of various hydrocarbons, and reports on the application of hydroperoxides as polymerization initiators.

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Sergeyev, P.G. (Deceased), R.V. Kiryan, and R.I. Golovanenko [Scientific Research Institute of Synthetic Alcohols and Organic Products]. Kinetics of the Thermal Decomposition of Certain Aliphatic-Aromatic Hydrogen Peroxides 207
The kinetics of the thermal decomposition of the hydroperoxides of isopropylbenzene and of s-butylbenzene, with and without solvents, is investigated at 100-130°C. It is shown that the thermal decomposition reactions of s-butylbenzene and isopropylbenzene hydroperoxides differ greatly.

Kucher, R.V., A.I. Yurzhenko, and M.A. Kovbuz [L'vovskiy gosudarstvennyy universitet imeni Ivana Franko (Lvov State University imeni Ivan Franko)]. Oxidation of Tertiary Hydrocarbons in Emulsions by Molecular Oxygen 212
The rate of hydrogen-peroxide accumulation during the oxidation of isopropylbenzene by gaseous oxygen in alkaline emulsions of hydrocarbons was investigated. The presence of emulsifiers increases the rate of oxidation as a result of increased oxygen, hydro... solubility in the aque... rbon and hydrogen ... used. Isopropyl... lid bentonite emul... lathane. sily oxidized than ...

...rsity imeni M.V. ... Oxid-
...ova, M.S. [Mosco... oxygen 220
...of Aromatic Hydr... the structur...

ZEYNALOV, B.K.; LEYKAKH, V.S.; SHAGIDANOV, E.N.

Methods of separation of mixtures of fatty and naphthenic acids. Dokl. AN Azerb. SSR 18 no.7:27-30 '62. (MIRA 17:2)

1. Institut neftekhimicheskikh protsessov AN AzSSR. Predstavleno akademikom AN Azerbaydzhanskoy SSR M.F. Nagiyevym.

CHIZHOV, V.V., dotsent; IEYKAM, B.E., starshiy prepodavatel'

An efficient thermomechanical for method breaking down a frozen mixture of gravel and sand in processing them for concrete and precast reinforced concrete aggregates in winter. Sbor. nauch. trud. TISI 8:3-13 '61. (MIRA 15:1)

1. Tomskiy inzhenerno-stroitel'nyy institut, kafedra "Stroitel'noye proizvodstvo".

(Aggregates (Building materials))

LEYKAM, Marek (Warszawa)

Particularity urgent problems of apartment building. Przegl budowl i bud mieszk 35 no.11:575-576 N'63.

KOROSTASHEVSKIY, Rafail Vladimirovich; ZAYTSEV, Aleksey Matveyevich; LEYKAND, M.A., inzh., retsenzent; KARNAUKHOV, G.F., inzh., retsenzent; GRIGORASH, K.I., red.; NOVIK, A.Ya., tekhn.red.

[Antifriction bearings used in airplane construction] Aviatsionnye podshipniki kacheniia. Moskva, Oborongiz, 1963. 339 p. (MIRA 16:11)
(Bearings (Machinery))
(Airplanes--Design and construction)

ACC NR: AP6029984 SOURCE CODE: UR/0413/66/000/015/0194/0194

INVENTOR: Grodko, L. N.; Leykand, M. A; Bakhov, O. P.; Kurova, I. V.

ORG: none

TITLE: Helicopter rotor-blade damper. Class 62, No. 184142

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 194

TOPIC TAGS: vibration damping, helicopter rotor, helicopter, rotary wing aircraft

ABSTRACT: An Author Certificate has been issued for a helicopter-rotor shock absorber, consisting of a hydraulic damping cylinder, a piston, and a rod connected by a bracket to the rotor hub. To increase the damping of the low-frequency rotor-blade vibrations during ground resonance and to decrease the stresses on the rotor blade and hub by vibrations arising during flight, the damper is connected to an auxiliary resilient element (for example, spring or rubber), which is placed on the rod or in the cylinder in series with the main shock-absorbing cylinder.

SUB CODE: 01/ SUBM DATE: 06Jul64/

UDC: 629.135/138.62-567

Card 1/1

ACC NR: AM6032642 (A) Monograph UR/

Mil', Mikhail Leont'yevich; Nekrasov, Andrey Vladimirovich; Braverman, Aleksandr Samoylovich; Grodko, Lev Naumovich; Leykand, Matvey Abramovich

Helicopters; design and construction. v. 1: Aerodynamics (Vertolety; raschet i proyektirovaniye. t. 1: Aerodinamika). Moscow, Izd-vo "Mashinostroyeniye", 1966. 454 p. illus., biblio. Errata slip inserted. 4800 copies printed.

TOPIC TAGS: helicopter, aerodynamics, rotary wing aircraft, helicopter rotor, helicopter rotor blade, mechanical vibration, helicopter design

PURPOSE AND COVERAGE: This is Book One of a three-book series on helicopters. Book Two is on Vibrations and Dynamic Stability, and Book Three is on Planning. The book is intended for engineers of design bureaus, for scientific workers, and for fellows and instructors of higher educational institutions. It can also be of use to engineers of helicopter-building plants and students studying aerodynamics and helicopter stability. Many parts of the book will also be useful to flight and technical personnel in helicopter flying units. The book discusses the course of helicopter development, principles of their design, and their place among other aircraft not requiring airports. Various theories on rotors are covered, along with methods for determining their aerodynamic characteristics, including: the pulse theory of an ideal rotor and its application to the energetic method of calculation; the classic theory, in the case where numerical integration methods are used; the vortex theory; and methods of experimentally determining a rotor's characteristics during flight tests and in wind tunnels. There is a

Card 1/4 UDC: 629.135.4:533.6.001.12

detailed discussion of the various methods for the aerodynamic calculation of the helicopter and the theory of rotor flutter. Methods are explained for calculating flutter while hovering and in forward flight. Special attention is devoted to the calculation of friction in the hub's feathering hinges and to the transmission of blade vibrations through the automatic pitch control. Experimental research on flutter is described. The authors express gratitude to engineers F. L. Zarzhevskaya, R. L. Kreyer, and L. G. Rudnitskiy for their help in preparing the manuscript, and to R. A. Mikheyev for his review. There are 42 references, 35 of which are Soviet.

TABLE OF CONTENTS (Abridged):

ACC NR: AM6032642

References - 449

SUB CODE: 01/ SUBM DATE: 04Mar66/ ORIG REF: 033/ OTH REF: 009/

Card 4/4

KEYKAND, M.D.

8 Copies p. 1 + 2

PHASE I BOOK EXPLOITATION SOV/6270

Samarin, A. M., ed., Corresponding Member, Academy of Sciences USSR.

Vakuumnaya metallurgiya (Vacuum Metallurgy). Moscow, Metallurgizdat, 1962. 515 p. Errata slip inserted. 3200 copies printed.

Ed. of Publishing House: V. I. Ptitsyna; Tech. Ed.: L. V. Dobuzhinskaya.

PURPOSE: This book is intended for engineering personnel of metallurgical and machine-building plants, scientific research workers and teachers, and aspirants and students at schools of higher technical education.

COVERAGE: Thermoydnamic fundamentals of vacuum application in various metallurgical processes and problems of melting in vacuum induction and arc furnaces are discussed. Procedures of casting large ingots and vacuum degassing of steel in ladles are described, along with designs of metallurgical vacuum equipment. Problems connected with the use of mechanical and steam-ejector vacuum pumps, and with the

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designing, calculation, and operation of vacuum systems, are reviewed in detail, along with vacuum-measuring techniques. No personalities are mentioned. Each article is accompanied by references, mostly Soviet.

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SOV/6270

Vacuum Metallurgy

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PHASE I BOOK EXPLOITATION SOV/5397

Leykand, Mikhail Solomonovich

Konstruktsii induktsionnykh vakuumnykh elektropechey i ikh uzlov (Constructions of Vacuum Induction Furnaces and Their Subassemblies) Moscow, Gosenergoizdat, 1960. 95 p. (Series: Biblioteka elektrotermista, vyp. 4). 10,000 copies printed.

Ed.: S. I. Kalashnikov; Tech. Ed.: N. I. Borunov; Ed. of Series: A. D. Svenchanskiy.

PURPOSE: This booklet is intended for designers and technical personnel dealing with vacuum electrothermic units.

COVERAGE: The constructions of vacuum induction furnaces and their subassemblies, as developed by the KB "Elektropech'" ("Electric Furnace" Design Bureau) are described. Technical characteristics of some of these furnaces are given. Also considered is the experience gained by the bureau in designing vacuum induction furnaces. The author thanks Engineer V. I. Krizental' for his

Card 1/3

SOV/5397

Constructions (Cont.)

AVAILABLE: Library of Congress

VK/wrc/os
8/11/61

Card 3/3

LEYKAND, Mikhail Solomonovich; FEL'DMAN, I.A., red.; SVENCHANSKIY, A.D., red.; LARIONOV, G.Ye., tekhn.red.

[Design of vacuum-type resistance furnaces and their networks] Konstruktsii vakuumnykh elektropechei soprotivleniia i ikh uzlov. Moskva, Gos.energ.izd-vo, 1961. 111 p. (Biblioteka elektrotermista, no.8). (MIRA 15:4)
(Electric furnaces)

LEYKEKHMAN, E. P., BELYAYEVA, A. P., CHUMAKOV, M. P., [illegible], LESHCHINSKAYA, E. V., POVALISHINA, T. P., SHTERN, M. A., [illegible], M. A., LEONARDOVA, G. A., GOLIKOV, K. K., ARKHANGEL'SKIY, A. A.

"New data on the Tula fever with a renal syndrome, and the natural reservoirs of this infection." p. 124.

Desyatoye soveshchaniye po parazitilogicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Science USSR and Academy of Sciences USSR, No. 1 254pp.

107-57-1-17/60

AUTHOR: Leykekhman, Ye. (Astrakhan')

TITLE: UA6UL. A New-Year Questionnaire (Novogodnyaya anketa)

PERIODICAL: Radio, 1957, Nr 1, p 14 (USSR)

ABSTRACT: The most interesting communications were with the Soviet antarctic expedition. The author has had over 50 two-way contacts with operators Rekach and Min'kov of the UA1KAE station. The author established communications with 188 countries during the last half of 1956, including the longest-distance contact -- with station ZK1BS on the Cook Islands in the South Pacific.

AVAILABLE: Library of Congress

Card 1/1

ALEKSANDROV, N.I.; GEFEN, N.Ye.; GAPOCHKO, K.G.; GARIN, N.S.; GORDON, G.Ya. KOZHUSHKO, M.I.; KORENEV, G.P.; LAZAREVA, Ye.S.; LEYKEKHMAN, Ye.P.; MASLOV, A.I.; PAVLOV, G.A.; POLIVANOV, N.D.; ROMANOV, P.S.; RYBAKOV, P.S.; RYBAKOV, M.G.; SAMOKHVALOV, M.F.; SMIRNOV, M.S.; SHTERN, M.A.; CHEPKOV, V.N.

Experience with mass aerosol immunization with tularemia dust vaccine. Zhur. mikrobiol., epid. i imm. 41 no. 2:38-43 F '64. (MIRA 17:9)

LEYKEKHMAN, Ye.P.

Hemorrhagic fever in Tula Province. Klin.med. 38 no.7:94-99 '60. (MIRA 13:12)

(TULA PROVINCE--EPIDEMIC HEMORRHAGIC FEVER)

LEYKHTER, L. Ye.

PA 174T18

USSR/Electricity - Voltmeter, Reflex Jan 51

"Theory and Design of the Reflex Voltmeter," A. Ye. Budarov, L. Ye. Leykhter

"Zhur Tekh Fiz" Vol XXI, No 1, pp 77-91

Gives subject theory and on it develops several concrete circuit schemes distinguished by very high input resistance, wide limits of measurements, linearity of scale, stability, and other pos qualities. Submitted 15 Apr 49.

[redacted]

174T18

L 21661-66
ACC NR: AP6004354 SOURCE CODE: UR/0108/65/020/010/0066/0071

AUTHOR: Leykhter, L. Ye. (Active member)

ORG: Scientific and Technical Society of Radio Engineering and Electrocommunication (Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi)

TITLE: Effects of detuning and phase fluctuation in the coherent accumulation

SOURCE: Radiotekhnika, v. 20, no. 10, 1965, 66-71

TOPIC TAGS: radar detection, signal detection, pulse accumulation, signal to noise ratio

ABSTRACT: The effect of detuning and phase fluctuation on the signal-to-noise ratio is considered for the case of coherent signal accumulation achieved by means of an accumulator with an ultrasonic delay line in its positive-feedback circuit; the delay time is equal to the pulse repetition period. Based on the well-known McFarlan formula for the gain in the signal-to-noise ratio due to accumulator, formulas are developed for tolerable reduction of the maximum signal-to-noise ratio due to the inaccurate tuning of the ultrasonic line and to random phase fluctuation. For design purposes, these recommendations are offered: (1) When a loss of 1—2 db is allowed

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for detuning, the optimal feedback coefficient is $\beta_{opt} = 1 - (1.75\text{-}2)N$, where N is the number of pulses in packet; (2) Average loss is 1 db or less if the relative detuning is $0.2/T_a$, where T_a is the duration of the accumulated packet; (3) For the cases where $\varphi_{max} \leq \pi/6$, the phase fluctuation of the accumulated signal can be neglected. "In conclusion, the author wishes to thank A. P. Belousov and Yu. I. Fel'dman." Orig. art. has: 1 figure, 34 formulas, and 2 tables.

SUB CODE: 17, 09 / SUBM DATE: 09Feb65 / ORIG REF: 002 / OTH REF: 002

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1. Vostochno-Sibirskiy nauchno-issledovatel'skiy i proyektnyy institut lesnoy i derevoobrabatyvayushchey promyshlennosti.

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1. Nachal'nik laboratorii stankov i instrumentov Vostochno-sibirskogo issledovatel'skogo i proyektnogo instituta lesnoy i derevoobrabatyvayushchey promyshlennosti.